Dion R Brocks

List of Publications by Year
in descending order

107 papers	3,445 citations	136885 32 h-index	161767 54 g-index
109 all docs	109 docs citations	109 times ranked	4104 citing authors

#	Article	IF	Citations
1	Impact of lipoproteins on the biological activity and disposition of hydrophobic drugs: implications for drug discovery. Nature Reviews Drug Discovery, 2008, 7, 84-99.	21.5	209
2	Clinical Pharmacokinetics of Ketoprofen and Its Enantiomers. Clinical Pharmacokinetics, 1990, 19, 197-217.	1.6	178
3	High-performance liquid chromatography analysis of curcumin in rat plasma: application to pharmacokinetics of polymeric micellar formulation of curcumin. Biomedical Chromatography, 2007, 21, 546-552.	0.8	170
4	Drug disposition in three dimensions: an update on stereoselectivity in pharmacokinetics. Biopharmaceutics and Drug Disposition, 2006, 27, 387-406.	1.1	128
5	Polymeric micelles for the solubilization and delivery of cyclosporine A: pharmacokinetics and biodistribution. Biomaterials, 2005, 26, 7251-7259.	5.7	123
6	Clinical Pharmacokinetics of Ketorolac Tromethamine. Clinical Pharmacokinetics, 1992, 23, 415-427.	1.6	116
7	Multiple Peaking Phenomena in Pharmacokinetic Disposition. Clinical Pharmacokinetics, 2010, 49, 351-377.	1.6	115
8	Phase 1 trial of everolimus plus sunitinib in patients with metastatic renal cell carcinoma. Cancer, 2012, 118, 1868-1876.	2.0	109
9	Stereoselectivity in the Pharmacodynamics and Pharmacokinetics of the Chiral Antimalarial Drugs. Clinical Pharmacokinetics, 2003, 42, 1359-1382.	1.6	91
10	Effect of Gastric Bypass Surgery on the Absorption and Bioavailability of Metformin. Diabetes Care, 2011, 34, 1295-1300.	4.3	87
11	Metformin and Exercise in Type 2 Diabetes. Diabetes Care, 2011, 34, 1469-1474.	4.3	86
12	Pharmacokinetics of Amiodarone in hyperlipidemic and simulated high fat-meal rat models. Biopharmaceutics and Drug Disposition, 2005, 26, 249-257.	1.1	78
13	Disposition of Drugs in Block Copolymer Micelle Delivery Systems. Clinical Pharmacokinetics, 2008, 47, 619-634.	1.6	72
14	Metabolic acidosis: separation methods and biological relevance of organic acids and lactic acid enantiomers. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2002, 781, 39-56.	1.2	65
15	The metabolism of amiodarone by various CYP isoenzymes of human and rat, and the inhibitory influence of ketoconazole. Journal of Pharmacy and Pharmaceutical Sciences, 2008, 11, 147.	0.9	63
16	Etodolac Clinical Pharmacokinetics. Clinical Pharmacokinetics, 1994, 26, 259-274.	1.6	57
17	A phase 1 study of everolimus and sorafenib for metastatic clear cell renal cell carcinoma. Cancer, 2011, 117, 4194-4200.	2.0	55
18	Impact of Stereoselectivity on the Pharmacokinetics and Pharmacodynamics of Antiarrhythmic Drugs. Clinical Pharmacokinetics, 2002, 41, 533-558.	1.6	54

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19	The impact of experimental hyperlipidemia on the distribution and metabolism of amiodarone in rat. International Journal of Pharmaceutics, 2008, 361, 78-86.	2.6	50
20	Analytical and semi-preparative high-performance liquid chromatographic separation and assay of hydroxychloroquine enantiomers. Biomedical Applications, 1992, 581, 83-92.	1.7	48
21	DETERMINATION OF THE ENZYME(S) INVOLVED IN THE METABOLISM OF AMIODARONE IN LIVER AND INTESTINE OF RAT: THE CONTRIBUTION OF CYTOCHROME P450 3A ISOFORMS. Drug Metabolism and Disposition, 2006, 34, 43-50.	1.7	48
22	The effects of gastric bypass surgery on drug absorption and pharmacokinetics. Expert Opinion on Drug Metabolism and Toxicology, 2012, 8, 1505-1519.	1.5	48
23	Induction of Cytochrome P450 1A1 by Ketoconazole and Itraconazole but not Fluconazole in Murine and Human Hepatoma Cell Lines. Toxicological Sciences, 2007, 97, 32-43.	1.4	47
24	The Influence of Lipids on Stereoselective Pharmacokinetics of Halofantrine: Important Implications in Foodâ€Effect Studies Involving Drugs That Bind to Lipoproteins. Journal of Pharmaceutical Sciences, 2002, 91, 1817-1826.	1.6	45
25	The effect of increased lipoprotein levels on the pharmacokinetics of cyclosporine A in the laboratory rat. Biopharmaceutics and Drug Disposition, 2006, 27, 7-16.	1.1	44
26	Role of Environmental Factors in the Development of Pediatric Eosinophilic Esophagitis. Digestive Diseases and Sciences, 2015, 60, 3364-3372.	1.1	44
27	Determination of Metformin in Human Plasma and Urine by High-Performance Liquid Chromatography Using Small Sample Volume and Conventional Octadecyl Silane Column. Journal of Pharmacy and Pharmaceutical Sciences, 2010, 13, 486.	0.9	38
28	The Single Dose Poloxamer 407 Model of Hyperlipidemia; Systemic Effects on Lipids Assessed Using Pharmacokinetic Methods, and its Effects on Adipokines. Journal of Pharmacy and Pharmaceutical Sciences, 2013, 16, 65.	0.9	36
29	Effect of gastric bypass surgery on azithromycin oral bioavailability. Journal of Antimicrobial Chemotherapy, 2012, 67, 2203-2206.	1.3	35
30	Hematologic Disposition of Hydroxychloroquine Enantiomers. Journal of Clinical Pharmacology, 1994, 34, 1088-1097.	1.0	34
31	Pharmacokinetics of Testosterone in Hypogonadal Men After Transdermal Delivery: Influence of Dose. Journal of Clinical Pharmacology, 1996, 36, 732-739.	1.0	33
32	Encapsulation of P-glycoprotein inhibitors by polymeric micelles can reduce their pharmacokinetic interactions with doxorubicin. European Journal of Pharmaceutics and Biopharmaceutics, 2012, 81, 142-148.	2.0	33
33	Stereoselective Disposition of Etodolac Enantiomers in Synovial Fluid. Journal of Clinical Pharmacology, 1991, 31, 741-746.	1.0	32
34	Pharmacokinetics of desethylamiodarone in the rat after its administration as the preformed metabolite, and after administration of amiodarone. Biopharmaceutics and Drug Disposition, 2008, 29, 159-166.	1.1	29
35	The effect of oral lipids and circulating lipoproteins on the metabolism of drugs. Expert Opinion on Drug Metabolism and Toxicology, 2009, 5, 1385-1398.	1.5	29
36	Stereoselective Pharmacokinetics and Pharmacodynamics of Anti-Asthma Agents. Annals of Pharmacotherapy, 2002, 36, 693-701.	0.9	28

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37	Lymphatic Drug Absorption via the Enterocytes: Pharmacokinetic Simulation, Modeling, and Considerations for Optimal Drug Development. Journal of Pharmacy and Pharmaceutical Sciences, 2018, 21, 254s-270s.	0.9	28
38	Enantioselective Pharmacokinetics of Etodolac in the Rat: Tissue Distribution, Tissue Binding, and In Vitro Metabolism. Journal of Pharmaceutical Sciences, 1991, 80, 1058-1061.	1.6	27
39	The stereoselective distribution of halofantrine enantiomers within human, dog, and rat plasma lipoproteins. Pharmaceutical Research, 2000, 17, 427-431.	1.7	27
40	Rate and Extent of Drug Accumulation after Multiple Dosing Revisited. Clinical Pharmacokinetics, 2010, 49, 421-438.	1.6	27
41	A stereospecific highâ€performance liquid chromatographic assay for the determination of ketoconazole enantiomers in rat plasma. Biomedical Chromatography, 2008, 22, 542-547.	0.8	26
42	The Stereoselective Pharmacokinetics of Etodolac in Young and Elderly Subjects, and After Cholecystectomy. Journal of Clinical Pharmacology, 1992, 32, 982-989.	1.0	25
43	Insights into the effects of hyperlipoproteinemia on cyclosporine A biodistribution and relationship to renal function. AAPS Journal, 2006, 8, E672-E681.	2.2	25
44	A liquid chromatographic assay for the stereospecific quantitative analysis of halofantrine in human plasma. Journal of Pharmaceutical and Biomedical Analysis, 1995, 13, 911-918.	1.4	23
45	Pharmacokinetics of halofantrine in the rat: stereoselectivity and interspecies comparisons. , 1999, 20, 165-169.		23
46	A novel use of an in vitro method to predict the in vivo stability of block copolymer based nano-containers. Journal of Controlled Release, 2007, 122, 63-70.	4.8	22
47	Identification and Characterization of Novel Receptor-Interacting Serine/Threonineâ€Protein Kinase 2 Inhibitors Using Structural Similarity Analysis. Journal of Pharmacology and Experimental Therapeutics, 2018, 365, 354-367.	1.3	22
48	The Influence of Hyperlipoproteinemia on in Vitro Distribution of Amiodarone and Desethylamiodarone in Human and Rat Plasma. Pharmaceutical Research, 2007, 24, 672-678.	1.7	21
49	The effect of Î²-naphthoflavone on the metabolism of amiodarone by hepatic and extra-hepatic microsomes. Toxicology Letters, 2010, 195, 147-154.	0.4	21
50	A liquid chromatographyâ€“mass spectrometry assay method for simultaneous determination of amiodarone and desethylamiodarone in rat specimens. Biomedical Chromatography, 2007, 21, 284-290.	0.8	20
51	Experimental Hyperlipidemia Causes an Increase in the Electrocardiographic Changes Associated With Amiodarone. Journal of Cardiovascular Pharmacology, 2009, 53, 1-8.	0.8	20
52	Development of a polymeric micellar formulation for valspodar and assessment of its pharmacokinetics in rat. European Journal of Pharmaceutics and Biopharmaceutics, 2010, 75, 90-95.	2.0	20
53	A High-Performance Liquid Chromatography Assay Method for the Determination of Lidocaine in Human Serum. Pharmaceutics, 2017, 9, 52.	2.0	20
54	Stereoselective pharmacokinetics of desbutylhalofantrine, a metabolite of halofantrine, in the rat after administration of the racemic metabolite or parent drug. Biopharmaceutics and Drug Disposition, 2000, 21, 365-371.	1.1	18

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55	Enhancement of Dissolution of Ethopropazine Using Solid Dispersions Prepared with Phospholipid and/or Polyethylene Glycol. Drug Development and Industrial Pharmacy, 2001, 27, 413-418.	0.9	18
56	Enhanced oral absorption of halofantrine enantiomers after encapsulation in a proliposomal formulation. Journal of Pharmacy and Pharmacology, 2010, 54, 1049-1053.	1.2	18
57	Stereoselective halofantrine and desbutylhalofantrine disposition in the rat: cardiac and plasma concentrations and plasma protein binding. Biopharmaceutics and Drug Disposition, 2002, 23, 9-15.	1.1	17
58	The ability of polycyclic aromatic hydrocarbons to alter physiological factors underlying drug disposition. Drug Metabolism Reviews, 2011, 43, 457-475.	1.5	17
59	Evening dosing is associated with higher plasma concentrations of pranlukast, a leukotriene receptor antagonist, in healthy male volunteers. British Journal of Clinical Pharmacology, 1997, 44, 289-291.	1.1	16
60	The effect of experimental hyperlipidemia on the stereoselective tissue distribution, lipoprotein association and microsomal metabolism of (Â±)-halofantrine. Journal of Pharmaceutical Sciences, 2009, 98, 2516-2528.	1.6	16
61	High performance liquid chromatographic assay for the simultaneous determination of midazolam and ketoconazole in plasma. Journal of Pharmaceutical and Biomedical Analysis, 2010, 53, 617-622.	1.4	16
62	Induction of the NAD(P)H:quinone oxidoreductase 1 by ketoconazole and itraconazole: A mechanism of cancer chemoprotection. Cancer Letters, 2007, 258, 135-143.	3.2	15
63	A liquid chromatography-mass spectrometry method for nicotine and cotinine; utility in screening tobacco exposure in patients taking amiodarone. Biomedical Chromatography, 2011, 25, 1124-1131.	0.8	15
64	Pharmacokinetics of metformin in the rat: assessment of the effect of hyperlipidemia and evidence for its metabolism to guanylurea. Canadian Journal of Physiology and Pharmacology, 2017, 95, 530-538.	0.7	14
65	Interspecies pharmacokinetics of a novel hematoregulatory peptide (SK&F 107647) in rats, dogs, and oncologic patients. Pharmaceutical Research, 1996, 13, 794-797.	1.7	13
66	Effect of experimental hyperlipidaemia on the electrocardiographic effects of repeated doses of halofantrine in rats. British Journal of Pharmacology, 2010, 161, 1427-1440.	2.7	13
67	An analytical method for cyclosporine using liquid chromatographyâ€“mass spectrometry. Biomedical Chromatography, 2010, 24, 148-153.	0.8	12
68	The effect of increased lipoprotein levels on the pharmacokinetics of ketoconazole enantiomers in the rat. Xenobiotica, 2011, 41, 137-143.	0.5	12
69	The pharmacokinetics of dronedarone in normolipidemic and hyperlipidemic rats. Biopharmaceutics and Drug Disposition, 2016, 37, 345-351.	1.1	12
70	Examining the relationship between prerequisite grades and types of academic performance in pharmacy school. Currents in Pharmacy Teaching and Learning, 2018, 10, 695-700.	0.4	12
71	Cyclosporine Treatment Reduces Oxygen Free Radical Generation and Oxidative Stress in the Brain of Hypoxia-Reoxygenated Newborn Piglets. PLoS ONE, 2012, 7, e40471.	1.1	11
72	Effects of serum lipoproteins on cyclosporine A cellular uptake and renal toxicity in vitro. Canadian Journal of Physiology and Pharmacology, 2014, 92, 140-148.	0.7	11

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73	Polymeric Micellar Delivery Reduces Kidney Distribution and Nephrotoxic Effects of Cyclosporine A After Multiple Dosing. Journal of Pharmaceutical Sciences, 2008, 97, 1916-1926.	1.6	10
74	Development of a liquid chromatographyâ€“mass spectrometry (LC/MS) assay method for the quantification of PSC 833 (Valspodar) in rat plasma. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 869, 31-37.	1.2	10
75	Bayesian estimation of pharmacokinetic parameters: an important component to include in the teaching of clinical pharmacokinetics and therapeutic drug monitoring. Research in Pharmaceutical Sciences, 2020, 15, 503.	0.6	10
76	The stereoselective metabolism of halofantrine to desbutylhalofantrine in the rat: Evidence of tissue-specific enantioselectivity in microsomal metabolism. Chirality, 2007, 19, 22-33.	1.3	9
77	The effect of CYP1A induction on amiodarone disposition in the rat. Journal of Pharmaceutical Sciences, 2010, 99, 539-548.	1.6	9
78	Effect of hyperlipidemia on ketoconazoleâ€“midazolam drugâ€“drug interaction in rat. Journal of Pharmaceutical Sciences, 2011, 100, 4986-4992.	1.6	9
79	Effect of serum lipoproteins on stereoselective halofantrine metabolism by rat hepatocytes. Chirality, 2012, 24, 558-565.	1.3	9
80	Effect of Rat Serum Lipoproteins on mRNA Levels and Amiodarone Metabolism by Cultured Primary Rat Hepatocytes. Journal of Pharmaceutical Sciences, 2013, 102, 262-270.	1.6	9
81	Effect of bile and lipids on the stereoselective metabolism of halofantrine by rat evertedâ€intestinal sacs. Chirality, 2010, 22, 275-283.	1.3	8
82	Breast milk concentrations of amiodarone, desethylamiodarone, and bisoprolol following shortâ€term drug exposure: Two case reports. Journal of Clinical Pharmacology, 2014, 54, 828-831.	1.0	8
83	uSIMPK. An Excel for Windows-based simulation program for instruction of basic pharmacokinetics principles to pharmacy students. Computer Methods and Programs in Biomedicine, 2015, 120, 154-163.	2.6	8
84	The Obesogenic Potency of Various High-Caloric Diet Compositions in Male Rats, and Their Effects on Expression of Liver and Kidney Proteins Involved in Drug Elimination. Journal of Pharmaceutical Sciences, 2017, 106, 1650-1658.	1.6	8
85	Dietary-Induced Obesity and Changes in the Biodistribution and Metabolism of Amiodarone in the Rat. Journal of Pharmaceutical Sciences, 2018, 107, 2938-2945.	1.6	8
86	Dietary-Induced Obesity, Hepatic Cytochrome P450, and Lidocaine Metabolism: Comparative Effects of High-Fat Diets in Mice and Rats and Reversibility of Effects With Normalization of Diet. Journal of Pharmaceutical Sciences, 2020, 109, 1199-1210.	1.6	8
87	Influence of the route of administration on the pharmacokinetics of pirprofen enantiomers in the rat. Chirality, 1993, 5, 61-64.	1.3	7
88	A liquid chromatographyâ€“mass spectrometric method for the quantification of azithromycin in human plasma. Biomedical Chromatography, 2013, 27, 1012-1017.	0.8	7
89	Rectus sheath single-injection blocks: a study to quantify local anaesthetic absorption using serial ultrasound measurements and lidocaine serum concentrations. Journal of Pharmacy and Pharmacology, 2019, 71, 1282-1290.	1.2	7
90	A sensitive and specific high performance liquid chromatographic assay for milrinone in rat and human plasma using a commercially available internal standard and low sample volume. Journal of Pharmacy and Pharmaceutical Sciences, 2005, 8, 124-31.	0.9	7

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91	Pharmacokinetics of dronedarone in rat using a newly developed highâ€performance liquid chromatographic assay method. Biomedical Chromatography, 2014, 28, 1070-1074.	0.8	6
92	Glycemic and Metabolic Effects of Two Long Bouts of Moderate-Intensity Exercise in Men with Normal Glucose Tolerance or Type 2 Diabetes. Frontiers in Endocrinology, 2017, 8, 154.	1.5	6
93	Positron Emission Tomography (PET) and Pharmacokinetics: Classical Blood Sampling Versus Image-Derived Analysis of [18F]FAZA and [18F]FDG in a Murine Tumor Bearing Model. Journal of Pharmacy and Pharmaceutical Sciences, 2018, 21, 32s-47s.	0.9	6
94	Development of a sensitive and specific liquid chromatography/mass spectrometry method for the quantification of cucurbitacin I (JSI-124) in rat plasma. Journal of Pharmacy and Pharmaceutical Sciences, 2006, 9, 158-64.	0.9	6
95	Pharmacokinetic Optimisation of the Treatment of Osteoarthritis. Clinical Pharmacokinetics, 1994, 26, 233-242.	1.6	5
96	Effects of intestinal constituents and lipids on intestinal formation and pharmacokinetics of desethylamiodarone formed from amiodarone. Journal of Pharmacy and Pharmacology, 2010, 60, 1625-1632.	1.2	4
97	Online interviews for the selection of applicants for admission into an entry to practice program in pharmacy: Relationship to performance and student perspectives. Currents in Pharmacy Teaching and Learning, 2021, 13, 616-622.	0.4	4
98	Liquid Chromatography Tandem Mass Spectrometric Analytical Method for Study of Colchicine in Rats Given Low Doses. Processes, 2021, 9, 2007.	1.3	4
99	Piecing together human adult comparative pharmacokinetic trials and rodent studies: What happens to drug clearance in obesity?. Journal of Pharmacy and Pharmaceutical Sciences, 2022, 25, 41-68.	0.9	4
100	Does a sudden shift of testing format from closed-book to open-book change the characteristics of test scores on summative final exams?. Currents in Pharmacy Teaching and Learning, 2021, 13, 1174-1179.	0.4	3
101	Pharmacokinetics of ethopropazine in the rat after oral and intravenous administration. , 1999, 20, 159-163.		2
102	Assessment of the Inactivation Potential of Desethylamiodarone on Human CYP1A1. Drug Metabolism Letters, 2010, 4, 9-14.	0.5	2
103	Ketoconazole Stereoisomers Differentially Induce Cytochrome P450 1A1 Between Human Hepatoma HepG2 and Mouse Hepatoma Hepa1c1c7 Cells. Journal of Pharmaceutical Sciences, 2016, 105, 1318-1326.	1.6	1
104	Dronedarone: the effect of diet-induced obesity on its metabolism and experimental hyperlipidemia on its metabolism and tissue distribution in the rat. Canadian Journal of Physiology and Pharmacology, 2020, 98, 177-181.	0.7	1
105	Analysis of cycloheximide in rat specimens using liquid chromatography with tandem mass spectrometry detection. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2022, 1190, 123112.	1.2	1
106	Pharmacokinetic Characterization of Intravenous Cyclosporine Treatment for Cardioprotection During Resuscitation of Asphyxiated Newborn Piglets. Pediatric Critical Care Medicine, 2013, 14, e156-e162.	0.2	0
107	Comments on â€œEffects of Obesity and Leptin Deficiency on Morphine Pharmacokinetics in a Mouse Modelâ€•by Dalesio et al, Anesth Analg. 2016;123:1611â€“1617. Anesthesia and Analgesia, 2017, 125, 361-361.	1.1	0